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Notice of Allowability	Application No.	Applicant(s)	
	09/460,891	KOREN, VICTOR	
	Examiner	Art Unit	
	Con P. Tran	2644	

-- **The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12-01-04.
2. ☒ The allowed claim(s) is/are 9-11.
3. ☒ The drawings filed on 14 December 1999 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

Allowable Subject Matter

1. Claims 9-11 are allowed which have been re-numbered to as 1-3 respectively.

The following is an examiner's statement of reasons for allowance:

The present invention is directed to an apparatus for compensating for echo signal in telecommunication device comprising: two differential transmitters; two current limiting resistors; two sampling resistors; and four compensation circuits in which including distinct connections of a compensation circuit between a transmitted signal mode and a received signal node; a compensation circuit between a compliment of transmitted node and a received node; a compensation circuit between a transmitted node and a compliment of received node, and a compensation circuit between a compliment of transmitted node and a received node.

The closest prior art:

Blon et al. (6,542,604), previously cited, teaches a device for echo attenuation in a digital transmission system using an impedance replica of a transmission path, comprising an impedance replica of a transmission path, the impedance replica including a terminating resistance replica, a transformer replica connected to the terminating resistance replica, and a transmission line replica connected to the transformer replica. Blon et al. teaches connections of compensation circuits between each pair of transmitted lines (tip, ring) and received lines, respectively, (tip, ring; Fig. 1 and its description);

Grisamore et al. (6,445,791), previously cited, teaches an interface including hybrid converter for cancellation of transmitted signals in the received path.

Grisamore et al. teaches connections of a compensation circuit between a transmitted and a compliment received lines; a compensation circuit between a compliment transmitted and a received lines; a compensation circuit between a received and a compliment received lines (Fig. 3 and its description); and

Nakano et al. (5,479, 504), newly cited, teaches a balanced hybrid circuit in which noise is kept at a low level. Nakano et al. teaches connections of a compensation circuit between a transmitted and a received lines; a compensation circuit between a compliment transmitted and a compliment received lines (Fig. 8 and its description).

None of cited prior art anticipates all claimed limitations. There is no teaching or suggestion to combine Blon et al., Grisamore et al., and Nakano et al. in the reference or in general knowledge of one skill in the art.

Therefore claim 9 is allowable.

Claims 10-11 are allowable by virtue of their dependency on claim 9.

2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 2644

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Con P. Tran whose telephone number is (571) 272-7532. The examiner can normally be reached on M - F (8:30 AM - 5:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Sinh N. Tran can be reached on (571) 272-7564. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

cpt CPJ
April 1, 2005

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PRIMARY EXAMINER